

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050039679"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 09:30
S2	2	"20040028837"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 09:35
S3	2	"5717294".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 09:35
S4	6	"6080287".pn. "6197165".pn. "6287435".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 09:32
S5	8	"6080287".pn. "6197165".pn. "6287435".pn. "6417626".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 13:17
S6	95	156/345.3.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/31 14:37
S7	2835	118/715.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/31 16:03
S8	12406	118/715.ccls. 204/298.\$2.ccls. 204/192.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/31 14:43
S9	8095	chamber near2 (shield\$4 liner guard\$3 mask\$3)	US-PGPUB; USPAT	OR	ON	2005/10/31 14:43
S10	707	S8 and S9	US-PGPUB; USPAT	OR	ON	2005/10/31 15:03
S11	605	S10 and plasma	US-PGPUB; USPAT	OR	ON	2006/04/15 18:18
S12	205	S10 and (temperature near3 control\$4)	US-PGPUB; USPAT	OR	ON	2005/11/01 11:47
S13	906	S7 and (shield\$3 liner guard\$3 mask\$3)	US-PGPUB; USPAT	OR	ON	2005/10/31 16:04



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S14	355	S13 and (temperature near3 control\$3)	US-PGPUB; USPAT	OR	ON	2005/10/31 16:04
S15	253	S14 not S12	US-PGPUB; USPAT	OR	ON	2005/10/31 16:04
S16	2	"6364954".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 17:43
S17	144	S9 and (shield near plural\$4)	US-PGPUB; USPAT	OR	ON	2005/10/31 18:47
S18	2	"20020121241"	US-PGPUB; USPAT	OR	ON	2005/10/31 18:48
S19	2	"20020121241"	US-PGPUB; USPAT	OR	ON	2005/10/31 18:51
S20	2	"20020121241"	US-PGPUB; USPAT	OR	ON	2005/10/31 18:51
S21	165520	156/345.\$2.ccls. "118"/\$.ccls. "204"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 19:17
S22	11144	S21 and (shield liner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 19:18
S23	508	S22 and (plural\$4 near3 (shield liner))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 19:18
S24	195	S23 and (wall near4 (shield liner))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/31 19:19
S25	3	"6610184".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 10:13



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S26	12412	118/715.ccls. 204/298.\$2.ccls. 204/192.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/01 11:47
S27	8097	chamber near2 (shield\$4 liner guard\$3 mask\$3)	US-PGPUB; USPAT	OR	ON	2005/11/01 11:47
S28	707	S26 and S27	US-PGPUB; USPAT	OR	ON	2005/11/01 15:05
S29	205	S28 and (temperature near3 control\$4)	US-PGPUB; USPAT	OR	ON	2005/11/01 13:22
S30	9	S29 and (shield near2 gap)	US-PGPUB; USPAT	OR	ON	2005/11/01 11:48
S31	3	S28 and (shield near4 gap near4 arc\$3)	US-PGPUB; USPAT	OR	ON	2005/11/01 12:03
S32	21	S28 and (shield same gap same arc\$3)	US-PGPUB; USPAT	OR	ON	2005/11/01 12:03
S33	0	"63649542".pn.	US-PGPUB; USPAT	OR	ON	2005/11/01 13:09
S34	1517	S27 and (chamber near3 temperature)	US-PGPUB; USPAT	OR	ON	2005/11/01 13:27
S35	1212	S34 and (shield liner)	US-PGPUB; USPAT	OR	ON	2005/11/01 13:27
S36	1212	S27 and ((chamber near3 temperature) and (liner shield))	US-PGPUB; USPAT	OR	ON	2005/11/01 13:29
S37	203	S27 and ((chamber near3 (temperature near control\$3)) and (liner shield))	US-PGPUB; USPAT	OR	ON	2005/11/01 13:43
S38	944	(chamber near wall) same (temperature near control\$4)	US-PGPUB; USPAT	OR	ON	2005/11/01 13:44
S39	59	S38 and (shield same deposit\$4)	US-PGPUB; USPAT	OR	ON	2005/11/01 13:45
S40	2	"6432203".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:18
S41	4	"5271963".pn. "5348587".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:03
S42	1170	(shield same heat same lamp)	US-PGPUB; USPAT	OR	ON	2005/11/01 16:00
S43	55	S27 and S42	US-PGPUB; USPAT	OR	ON	2005/11/01 15:06



## EAST Search History

S44	2	"5518593".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 15:18
S45	726635	(shield same heater chamber)	US-PGPUB; USPAT	OR	ON	2005/11/01 15:20
S46	1034	(shield same heater same chamber)	US-PGPUB; USPAT	OR	ON	2005/11/01 15:21
S47	336	S27 and S46	US-PGPUB; USPAT	OR	ON	2005/11/01 15:20
S48	55	(shield near4 heater near4 chamber)	US-PGPUB; USPAT	OR	ON	2005/11/01 15:21
S49	689	((shield near3 heat\$3) same lamp)	US-PGPUB; USPAT	OR	ON	2005/11/01 16:01
S50	40	S27 and S49	US-PGPUB; USPAT	OR	ON	2005/11/01 16:01
S51	2	"6312568".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/01 16:35
S52	8097	chamber near2 (shield\$4 liner guard\$3 mask\$3)	US-PGPUB; USPAT	OR	ON	2005/11/01 16:39
S53	18587	(shield same (aluminum "6061"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 07:57
S54	39	(shield same (aluminum same "6061"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 08:03
S55	4	(deposit\$3 same shield) same (aluminum same "6061")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 08:05



## EAST Search History

S56	29	(deposit\$3 same shield) and (aluminum same "6061")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 08:24
S57	2	"6299689".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 08:24
S58	331	((deposit\$4 near2 shield) same (dimension\$2 length height angle mm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 10:44
S59	33	((deposit\$4 near2 shield) near4 (dimension\$2 length height angle mm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 10:43
S60	298	S58 not S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 10:43
S61	266	((deposit\$4 near2 shield) same (dimension\$2 shape))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 10:44
S62	251	S61 not S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/02 11:10
S63	12	(shield near2 deposit\$4) same (dimension shape)	EPO; JPO; DERWENT	OR	ON	2005/11/02 11:13
S64	1194	(shield near2 (dimension shape))	EPO; JPO; DERWENT	OR	ON	2005/11/02 11:13
S65	8	S64 and (deposit\$4 near3 shield)	EPO; JPO; DERWENT	OR	ON	2005/11/02 11:15
S66	3902	shield near2 (shape dimension)	US-PGPUB; USPAT	OR	ON	2005/11/02 11:16



## EAST Search History

S67	231	S66 and (shield near3 deposit\$4)	US-PGPUB; USPAT	OR	ON	2005/11/02 11:17
S68	194	S67 not S58	US-PGPUB; USPAT	OR	ON	2005/11/02 12:20
S69	5	(mark near kleshock).in. (jacques near faguet).in. (tim near provencher).in.	US-PGPUB; USPAT	OR	ON	2005/11/02 12:27
S70	2796	(tokyo near electron).as.	US-PGPUB; USPAT	OR	ON	2005/11/02 12:28
S71	77	S70 and (chamber near2 (shield liner))	US-PGPUB; USPAT	OR	ON	2005/11/02 13:34
S72	4	"6417626".pn. "6893541".pn. "6583064".pn. "6837974".pn.	US-PGPUB; USPAT	OR	ON	2005/11/02 13:35
S73	12776	118/715.ccls. 204/298.\$2.ccls. 204/192.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/15 18:18
S74	8445	chamber near2 (shield\$4 liner guard\$3 mask\$3)	US-PGPUB; USPAT	OR	ON	2006/04/15 18:18
S75	732	S73 and S74	US-PGPUB; USPAT	OR	ON	2006/04/15 18:18
S76	478	S75 and upper	US-PGPUB; USPAT	OR	ON	2006/04/15 18:19
S77	162	S75 and (upper near3 (shield liner guard mask))	US-PGPUB; USPAT	OR	ON	2006/04/16 11:46
S78	12776	118/715.ccls. 204/298.\$2.ccls. 204/192.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/16 11:47
S79	8445	chamber near2 (shield\$4 liner guard\$3 mask\$3)	US-PGPUB; USPAT	OR	ON	2006/04/16 11:47
S80	732	S78 and S79	US-PGPUB; USPAT	OR	ON	2006/04/16 11:47
S81	162	S80 and (upper near3 (shield liner guard mask))	US-PGPUB; USPAT	OR	ON	2006/04/16 11:47
S82	88	S81 and ((ground\$3 earth\$3) and cool\$3)	US-PGPUB; USPAT	OR	ON	2006/04/16 11:48
S83	13	S81 and ((ground\$3 earth\$3) and (cool\$3 near4 wall))	US-PGPUB; USPAT	OR	ON	2006/04/16 11:50
S84	40	S81 and ((ground\$3 earth\$3) and (cool\$3 near4 chamber))	US-PGPUB; USPAT	OR	ON	2006/04/16 12:44
S85	28	S84 not S83	US-PGPUB; USPAT	OR	ON	2006/04/16 11:50
S86	235	(dark adj space adj shield)	US-PGPUB; USPAT	OR	ON	2006/04/16 17:10
S87	216	S86 and sputter\$4	US-PGPUB; USPAT	OR	ON	2006/04/16 14:09



## EAST Search History

S88	1	"6627050".pn.	US-PGPUB; USPAT	OR	ON	2006/04/16 17:11
S89	13709	((shield liner) and (upper top) and cylindrical and (conical taper\$3 angle\$2) and annular and top and wall)	US-PGPUB; USPAT	OR	ON	2006/12/02 17:44
S90	148	((shield liner) and (upper top) and cylindrical and (conical taper\$3 angle\$2) and annular and top and wall).clm.	US-PGPUB; USPAT	OR	ON	2006/12/02 17:50
S91	2	((shield liner) and (upper top) and cylindrical and (conical taper\$3 angle\$2) and annular and top and wall and (semiconductor wafer)).clm.	US-PGPUB; USPAT	OR	ON	2006/12/02 17:51